APPENDIX C

ON-ROAD HEAVY-DUTY VEHICLES
PROJECT APPLICATION

Carl Moyer Memorial Air Standards Attainment Program
ON-ROAD HEAVY-DUTY VEHICLE PROJECT
APPLICATION

This application is for incentive funds for the purchase of new, reduced-emission on-road heavy-duty vehicle, vehicle repowers, and engine retrofits.

Please provide the following information regarding your proposed purchase and application. Additional information may be requested during the review process if needed. Applicant acknowledges that award of cash incentive is conditional upon approval of the District and must meet the minimum eligibility criteria.

Within ten working days of submission, you will either be notified that your application is complete, or provided with a list of deficiencies. Completed applications fulfilling the criteria will be approved within 60 working days of receipt. If you have any questions regarding the application process, please contact:

District Incentive Program Contact
Contact Phone Number

✓ CHECK LIST FOR APPLICATION ITEMS ✓

Be sure the following items are included with your application submittal. Check each applicable box below to indicate inclusion of material.

- ❑ Completed Applicant Information Form
- ❑ Letter of Agreement from Fuel Provider (if applicable)
- ❑ Co-funding Information (if applicable)
- ❑ Other_____

✓ CHECK LIST FOR ELIGIBILITY CRITERIA ✓

Please check each applicable box below to indicate eligibility of proposed heavy-duty vehicle/engine technology project.

The reduced-emission engine/technology:

- ❑ is certified for sale in California, or
- ❑ is under experimental permit for operation in California,

and

A. For new vehicle purchase projects:
   - ❑ Heavy-duty trucks—new engine certified to ARB NOx emission credit standard that is at least 30 percent lower than the baseline NOx emission level of the engine being replaced;
   - ❑ Urban transit and school buses—new alternative fuel engine certified to ARB NOx emission credit standard that is at least 30 percent lower than the baseline NOx emission level of the engine being replaced.

B. For vehicle repower projects:
   - ❑ Pre-1987 model year heavy-duty trucks—the replacement engine is a 1987-1990 model year mechanical engine certified to a NOx emission level of 6.0g/bhp-hr;
   - ❑ Urban transit and school buses—the replacement engine is an alternative fuel engine and is certified to a NOx emission level that is at least 15 percent lower than the baseline NOx emission level of the engine being replaced.

C. For retrofit kit or add-on equipment projects:
   - ❑ shows at least a 15 percent reduction of NOx emissions, and no significant increase in particulate emissions, compared to the applicable standards for that engine year and type of application through:
     - ❑ California Air Resources Board (ARB) certification testing,
     - ❑ U.S. EPA certification testing, or
     - ❑ Emission testing at a laboratory approved by U.S. EPA or ARB.
   - ❑ The retrofit technology is warranted by retrofit manufacturer and/or authorized dealer.

D. For Auxiliary Power Unit (APU) projects.
   - ❑ Shows at least 15 percentreduction in NOx emissions than the heavy duty diesel truck baseline idling emission rate.
   - ❑ The engine used in the APU must be certified by the ARB and the APU must be equipped with an hour meter.

E. The purchase is not required by any local, state, or federal rule or regulation, or used to comply with any such rule or regulation.

F. The purchase is not required by any local, state, or federal MOU or MOA.

G. The amount of emission reduction is not required by any local, state, or federal MOU or MOA.

H. Seventy-five percent or more of the vehicle annual miles traveled or fuel consumption will be within the boundaries of the district, or within California, for at least five (5) years from the date the vehicle is placed into service with the new technology.

ON-ROAD HEAVY-DUTY VEHICLE APPLICATION
Please Print or Type All Information on This and Any Attached Applications.

A. APPLICANT INFORMATION:		
Organization/ Company Name:		
Project Name:		
Contact name:		
Person with contract signing authority:		
Street/mailing address:		
City:	State:	Zip code:
Phone: ( )	Fax: ( )	
E-mail:		
Geographic area served by organization:		
Geographic area to be served by vehicle (if different than above):		
Number of heavy-duty vehicles in fleet:		

Please check one:

- ❑ Vehicle is in line haul service
- ❑ Vehicle is in urban bus/school bus service
- ❑ Vehicle is in other heavy-duty services (Describe:_____)

I hereby certify that all information provided in this application and any attachments are true and correct.

Printed Name of Responsible Party:	Title:
Signature of Responsible Party:	Date:

NEW HEAVY-DUTY VEHICLE PURCHASE APPLICATION SECTION

B. GENERAL INFORMATION ABOUT EACH NEW HEAVY-DUTY VEHICLE	
1. Number of vehicle purchased:	
2. Fuel type:	
3. Primary function of vehicle (e.g., line haul, local deliver, or passenger):	
4a. Estimated total annual hours of operation:	4b. Percent within district boundaries:
5a. Estimated total annual mileage:	5b. Percent within district boundaries:
6. Estimated annual fuel consumption (in gallons) for each vehicle:	
7. Is there any seasonality to the use of the vehicle? YES/NO If Yes, please explain:	

NEW REDUCED-EMISSION VEHICLE
8. Vehicle Class:
9. Vehicle make:
10. Vehicle model:
11. Model year:
12. Gross Vehicle Weight Rating (GVWR):
13. Engine make:
14. Engine model number:
15. Horsepower:
16. New Engine NOx Emission Factor:
17. New Engine PM Emission Factor :
18. Estimated vehicle life:

19. Estimated replacement schedule:
20. Cost of new heavy-duty vehicle that meets current emission NOx standard (4.0 g/bhp-hr):
21. Cost of new heavy-duty vehicle that meets ARB NOx emission credit standards (<= 2.5 g/bhp-hr):
22. Differential cost of project:

Please check one:

- ❑ New reduced-emission vehicle meets ARB optional NOx emission credit standard of 2.5 g/bhp-hr or less.
- ❑ New reduced-emission vehicle does not meet ARB optional NOx emission credit standard of 2.5 g/bhp-hr or less.

C. GENERAL INFORMATION ABOUT THE MANUFACTURER/DEALER

Complete the appropriate information, then go to Section F.

NEW HEAVY-DUTY VEHICLE WITH A NEW REDUCED-EMISSION ENGINE	
Manufacture/Dealer:	
Street address:	
City:	State:
Phone: ( )	Fax: ( )
Contact name:	

HEAVY-DUTY VEHICLE REPOWER/RETROFIT APPLICATION SECTION

Please check one:

- ❑ Repowering a heavy-duty vehicle with a new reduced-emission engine
- ❑ Retrofitting a heavy-duty engine with a new reduced-emission technology
- ❑ Installing an auxiliary power unit to reduce idling emissions

D. GENERAL INFORMATION ABOUT EACH ENGINE FOR REPOWER OR RETROFIT	
1. Number of engines, or APUs to be purchased/retrofitted:	
2. Fuel type:	
3. Primary function of each vehicle (e.g., line haul, local delivery, or passenger):	
4a. Estimated total annual hours of operation or annual hours idling time:	4b. Percent within district boundaries:
5a. Estimated total annual mileage:	5b. Percent within district boundaries:
6. Estimated annual fuel consumption (in gallons) for each vehicle:	
7. Is there any seasonality to the use of the vehicle? YES/NO If Yes, please explain:	

CURRENT VEHICLE/ENGINE	**NEW REDUCED-EMISSION ENGINE/RETROFIT/APU**
8. Vehicle make/model:	Vehicle make/model: *Same as current*
9. Model year:	Model year: *Same as current*
10. Engine make:	Engine make:
11. Engine model number:	Engine model number:
12. Serial number of engine:	Serial number of engine:
13. Horsepower:	Horsepower:
14. Average vehicle life:	Estimated remaining vehicle life:
15. Typical rebuild/replacement schedule:	Estimated rebuild/replacement schedule:
16. NOx Emissions Factor:	NOx Emissions Factor: (For APU, certified NOx and HC Emission Factor (g/hr)):

17. PM Emissions Factor:	PM Emissions Factor:
18. Cost of replacing or rebuilding engine: $	Cost of replacing or rebuilding engine: $
19. Cost of replacing or rebuilding engine with low emission technology: $	Cost of replacing or rebuilding engine with low emission technology: $
20. *No current cost*	Capital cost of APU:
21. *No current cost*	Installations Cost of APU:
22. *No current cost*	APU Load Factor:

Please check one:

- ❑ Repower of pre-1987 heavy-duty vehicles, excluding urban and school buses, achieves at least 15 percent NOx emission reductions from existing NOx emission standards.
- ❑ Repower of urban and school buses is for alternative fuel engine and achieves at least 15 percent NOx emission reductions from existing NOx emission standards for that model year.
- ❑ Retrofit kit is certified to reduce NOx emissions by at least 15 percent and complies with ARB emission credit standards.
- ❑ Proposed repowering or retrofitting projects does not achieve the required emission reductions.
- ❑ Install APU in HDV that achieves at least 15 percent NOx idling emission reduction.

Complete the appropriate information, then go to Section F.

E. GENERAL INFORMATION ABOUT THE INSTALLER

REDUCED-EMISSION HEAVY-DUTY ENGINE FOR REPOWER (replacement)	
Engine installer:	
Street address:	
City:	State:
Phone: ( )	Fax: ( )
Contact name:	

OR

HEAVY-DUTY VEHICLE REPOWER/RETROFIT/APU APPLICATION SECTION (*continued*)

RETROFIT/APU TECHNOLOGY	
Retrofit/APU manufacturer:	
Retrofit/APU Installer:	
Installer street address:	
City:	State:
Phone: ( )	Fax: ( )
Contact name:	Retrofit kit number:
Description of Retrofit/APU technology:	

ALL APPLICANTS MUST COMPLETE THE FOLLOWING SECTION.

F. OTHER INFORMATION

MAINTENANCE
Describe your maintenance facility and practices, including any training regarding the low-emission technology. If the training has not been completed, provide a time line for completion.

REFUELING (for alternative fuels)
Describe how, and where the vehicle will be refueled (e.g. on-site, existing facility, mobile/skid mounted equipment, etc.) Attach written verification of access to refueling facility.